

Figure 1A

No.	Kinase-Subclass	Family	Sub	Protein	α D sequence
1	Serine/Threonine	RAF		c-Raf	TQWCEGSSLYKHLHVQETK F
2	Serine/Threonine	RAF		Araf	TQWCEGSSLYHHLHVADTR F
3	Serine/Threonine	RAF		Braf	TQWCEGSSLYHHLHIIETKF
4	Serine/Threonine	CAPK		cAPKa	MEYVPGGEMFSLRRIGRF
4	Serine/Threonine	CAPK		cAPKb	MEYVPGGEMFSLRRIGRF
5	Serine/Threonine	CAPK		cAPKg	MEYVPGGEMFSRLQRVGRF
6	Serine/Threonine	PKC		PKCa	MEYVNGGDLMYHIQQVGK F
7	Serine/Threonine	PKC		PKCb	MEYVNGGDLMYHIQQVGR F
8	Serine/Threonine	PKC		PKCg	MEYVTGGDLMYHIQQLGKF
9	Serine/Threonine	PKC		PKCd	MEFLNGGDLMFHIQDKGRF
10	Serine/Threonine	PKC		PKCe	MEYVNGGDLMFQIQRSRKF
11	Serine/Threonine	PKC		PKCet	MEFVNGGDLMFHIQKSRRF
12	Serine/Threonine	PKC		PKCth	MEYLNNGDLMYHIQSCHKF

Figure 1B

13	Serine/Threonine	Akt/PKB		Akt1/Raca	MEYANGGELFFHLSRERVF
13	Serine/Threonine	Akt/PKB		Akt2/Racb	MEYANGGELFFHLSRERVF
14	Serine/Threonine	GSK3		GSK3a	LEYVPETVYRVARHFTKAK LII
15	Serine/Threonine	GSK3		GSK3b	LDYVPETVYRVARHYSRAK QTL
16	Serine/Threonine	CK II		CK IIa	FEHVNNTDFKQLYQTL
17	Serine/Threonine	CK II		CK IIa'	FEYNNTDFKQLYQIL
18	Serine/Threonine	bARK1,2		bARK1	LDLMNGGDLHYHLSQHG VF
18	Serine/Threonine	bARK1,2		bARK2	LDLMNGGDLHYHLSQHG VF
19	Serine/Threonine	GRK1		GRK1	MTIMNGGDIRYHIYNVDE NPGF
20	Serine/Threonine	GRK4		GRK4	LTIMNGGDLKFHIYNLGN PGF
21	Serine/Threonine	GRK5		GRK5	LTIMNGGDLKFHIYNMGN PGF
22	Serine/Threonine	GRK6		GRK6	LTLMNGGDLKFHIYHMG QA GF

Figure 1C

23	Serine/Threonine	CaMK		CaMK I	MQLVSGGELFDRIVEKGGY
24	Serine/Threonine	CaMK		CaMK IIa	FDLVTGGELFEDIVAREYY
24	Serine/Threonine	CaMK		CaMK IIb	FDLVTGGELFEDIVAREYY
24	Serine/Threonine	CaMK		CaMK IIg	FDLVTGGELFEDIVAREYY
24	Serine/Threonine	CaMK		CaMK IId	FDLVTGGELFEDIVAREYY
25	Serine/Threonine	POLO		Plk	LELCRRRSLLELHKRRKAL
26	Serine/Threonine	POLO		Plx1	LELCRRRSLLELHKRRKAV
27	Serine/Threonine	POLO		polo	LELCCKRSMMELELHKRRKSI
28	Serine/Threonine	POLO		SNK	LEYCSRSMMAHILKARKVL
29	Serine/Threonine	POLO		CDC5	LEICPNGSLMELLKRRKVL
30	Serine/Threonine	POLO		Sak	LEMCHNGEMNRYLKNRVK PF
31	Serine/Threonine	POLO		Prk	LELC SRKSLAHIWKARHTL

Figure 1D

31	Serine/Threonine	POLO		Fnk	LELC SRKSLAHIWKARHTL
32	Serine/Threonine	POLO		Plol	LELCEHKSLMELLRK RKQL
33	Serine/Threonine	MARK/p 78		MARK1	MEYASGGEVFDYLV AHGR M
33	Serine/Threonine	MARK/p 78		MARK2	MEYASGGEVFDYLV AHGR M
34	Serine/Threonine	MARK/p 78		P78	MEYASGGKVFDYLV AHGR M
35	Serine/Threonine	CDK		CDK2	FEFLHQDLKKFMDASALTGI
36	Serine/Threonine	CDK		CDK4	FEHVDQDLRTYLDKAPPG L
37	Serine/Threonine	CDK		CDK6	FEHVDQDLTTYLDKVPEPG V
38	Tyrosine	SRC		c-Src	TEYMSKGSLLDFLKGETGK YL
39	Tyrosine	SRC		c-Yes	TEFMSKGSLLDFLKEGDGK YL
40	Tyrosine	SRC		Fyn	TEYMNKGSLLDLFLKDGEGR AL
41	Tyrosine	SRC		c-Fgr	TEFMCHGSLLDFLKNPEGQ DL

Figure 1E

42	Tyrosine	LYN/HC K		Lyn	TEYMAKGSLLDFLKSDEGG KV
43	Tyrosine	LYN/HC K		Hck	TEFMAKGSLLDFLKSDEGS KQ
44	Tyrosine	LCK		Lck	TEYMENGSLVDFLKTPSGIK L
45	Tyrosine	CSK		Csk	TEYMAKGSLVDYLRSRGRS VL
46	Tyrosine	CSK		Matk	MEHVSKGNLVNFLRTRGRA LV
47	Tyrosine	FAK		Fak	MELCTLGELRSFLQVRKYSL
48	Tyrosine	ABL		c-Abl	TEFMTYGNLLDYLRECNRQ EV
49	Tyrosine	ENDOTH ELIAL	Tie/Tek	Tie	IEYAPYGNLLDFLRKSRVLE TDPAFAREHGTASTL
50	Tyrosine	ENDOTH ELIAL	Tie/Tek	Tek	IEYAPHGNLLDFLRKSRVLE TDPAFAIANSTASTL
51	Tyrosine	ENDOTH ELIAL	FGFR	Flg	VEYASKGNLREYLQARRPP GLEYCYNPSHNPEEQ
52	Tyrosine	ENDOTH ELIAL	FGFR	Bek	VEYASKGNLREYLRRARRPP GMEYSYDINRVPEEQM
53	Tyrosine	ENDOTH ELIAL	FGFR	FGFR-3	VEYAAKGNLREFLRARRPP GLDYSFDTCKPPEEQ

Figure 1F

54	Tyrosine	ENDOTH ELIAL	FGFR	FGFR-4	VECAAKGNLREFLRARRPP GPDLSPDGPRSSEGPL
55	Tyrosine	ENDOTH ELIAL	PDGFR	PDGFR-a	TEYCFYGDLVNYLHKNRDS FLSHHPEKPKKELDIFGLNP A
56	Tyrosine	ENDOTH ELIAL	PDGFR	PDGFR-b	TEYCRYGDLVDYLHRNKHT FLQHHSDKRRPPSAELYSNA L
57	Tyrosine	ENDOTH ELIAL	Flt/Flk	Flt1	VEYCKYGNLSNYLKSKRDL FFLNKDAALHMEPKKEKME PG
58	Tyrosine	ENDOTH ELIAL	Flt/Flk	Flt4	VEFCKYGNLSNFLRAKRDA FSPCAEKSPEQRGRFRAMV EL
59	Tyrosine	ENDOTH ELIAL	Flt/Flk	Flk1	VEFSKFGNLSTYLRGKRNEF VPYKSKGARFRQGKDYVGE L
60	Tyrosine	HGFR		c-Met	LPYMKHGDRLRNFINETHN P
61	Tyrosine	HGFR		c-Sea	LPYMRHGDRLRHFIRAQERSP
62	Tyrosine	HGFR		Ron	LPYMCHGDLLQFIRSPQRNP
63	Tyrosine	EGFR		EGFR	TQLMPFGCLLDYVREHKDN I
64	Tyrosine	EGFR		ErbB2	TQLMPYGCLLDHVRENRRGR L
65	Tyrosine	EGFR		ErbB3	TQYLPLGSLLDHVRQHRGA L

66	Tyrosine	EGFR		ErbB4	TQLMPHGCLLEYVHEHKDNI
67	Tyrosine	RET		Ret	VEYAKYGSLRGFLRESRKVGPGYLGSGGSRNSSSLDHPDERAL
68	Tyrosine	TRK-NGFR		Trk - NGFR	FEYMRHGDNLNRFLRSHGPD AKLLAGGEDVAPGPL
69	Tyrosine	TRK-NGFR		TrkB	FEYMKHGDNLNKFLRAHGPD AVLMAEGNPPTTEL
70	Tyrosine	TRK-NGFR		TrkC	FEYMKHGDNLNKFLRAHGPD AMILVDGQPRQAKGEL
71	Tyrosine	SYK/ZA P70		Syk	MEMAELGPLNKYLQQNRHV
72	Tyrosine	SYK/ZA P70		Zap70	MEMAGGGPLHKFLVGKRE EI
73	Tyrosine	TYK/JA K		Jak1	MEFLPSGSLKEYLPKNKNKI
74	Tyrosine	TYK/JA K		Jak2	MEYLPYGSLRDYLVQKHKER I
75	Tyrosine	TYK/JA K		Jak3	MEYLPYGSLRDYLVQKHKER L
76	Tyrosine	TYK/JA K		Tyk2	MEYVPLGSLRDYLVQKHKER I
77	Serine/Threonine	IAK		Iak1	LEYAPLGTVYRELQKLSKF

Figure 1H

78	Serine/Threonine	CHK		Chk1	LEYCSGGELFDRIEPDIGM
79	Serine/Threonine	IKK		IKK-1	MEYCSGGDLRKLLNKPENC CGL
80	Serine/Threonine	IKK		IKK-2	MEYCQGGDLRKYLNQFEN CCGL
81	Serine/Threonine	DAPK		DAPK	LELVAGGELFDFLAEKESL
82	Tyrosine	IRK		IRK	MELMAHGDLSYLRSLRPE AENNPGRPPPTL
83	Serine/Threonine	Activin/T GFbR	TGFbR	TGFbRII	TAFHAKGNLQEYLTRHVI
84	Serine/Threonine	Activin/T GFbR	ACTR	ACTRIIA	TAFHEKGSLSDFLKANVV
85	Serine/Threonine	Activin/T GFbR	ACTR	ACTRIIB	TAFHDKGSLTDYLGKGNII
86	Serine/Threonine	Activin/T GFbR	ALK	ALK1	THYHEHGSLYDFLQRQTL
87	Serine/Threonine	Activin/T GFbR	ALK	ALK2	THYHEMGSLYDYQLTTL
88	Serine/Threonine	Activin/T GFbR	ALK	ALK3	TDYHENGSLYDFLEKCATL
89	Serine/Threonine	Activin/T GFbR	ALK	ALK4	SDYHEHGSLFDYLNRYTV

Figure 1I

89	Serine/Threonine	Activin/T GFbR	ALK	ALK5	SDYHEHGSLFDYLNRYTV
90	Serine/Threonine	Activin/T GFbR	ALK	ALK6	TDYHENGSLYDYLKSTTL
91	Tyrosine	DDR		DDR1	TDYMENGDLNQFLSAHQL
92	Tyrosine	DDR		DDR2	TEYMENGDLNQFLSRHEP
93	Serine/Threonine	ILK		ILK	THWMPYGSLYNVLHEGTNF VV
94	Tyrosine	MAPK		JNK	MELMDANLCQVIQMEL

THE UNIVERSITY OF CHICAGO

[illegible]

Figure 2B

bARK1	L D L M N G G D L H Y H L S Q H G V F N P G F
bARK2	M T I I Q A A E I R F I Y N V D E D G F A W
GRK1	I E M L * M K W M T H L E N P Q W Y
GRK4	V S V V V V F M A Q A A Y
GRK5	* W I * I W
GRK6	L Y
	M E
	D G
	* *

CaMK I	M Q L V S G G E L F D R I V E K G G Y
CaMK IIa	F D I I T A A D I W E D L I A R E Y F
CaMK IIb	W N M L * M Y * K M L D D F W
CaMK IIg	Y E V M V E V M G A W
CaMK IId	I * * * A
	L
	V

200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300

Plk	L E L C R R R S L L E L H K R R K A L F
Plx1	I D I S K K G E M M A I L R A H S V W
Polo	M * Y S N K D I N R Y W N V V I Y
SNK	V M P H A T V A H M I K R K P
CDC5	V H Q * I D V M Q I T M
Sak	F E V K F V G L Q
Prk	W T Q G W F M T
Fnk	D G * Y I
Plol	* L
	M
	R
	N
	G

P78	M E Y A S G G E V F D Y L V A H G R M
MARK1	L D F G T A A K I W E F I I G A K I
MARK2	I * W D L Y * W M L L
Par1	V R M V M V
	*

CDK2	F E F L H Q D L K K F M D A V A L T G I
CDK4	W D H V D N E I R T Y L E K S P P A L
CDK6	Y * W I E * M T R W I * R A G E S V
	Y M * V S S V G I I M V D
	T
	*

()

Fak

c-Abl

Tie

Tie

Tek

PDGFR-b

PDGFR- α

F1t1

Flt4

Flk1

S	T	L	Y	S	N	A	L
A	E	F	G	L	E	P	A
D	I	E	K	M	V	E	G
K	K	R	A	V	G	D	I
R	F	D	F	T	Q	G	M
G	S	I	W	I	D	*	V
T	D	M	R		I		
E	L	V			L		
*	M	W			M		
	V	Y			A		
	R	K			*		
	W	*					
	Y						
	*						

Figure 2D

Flg	V E Y A S K G N L R E Y L Q A R R P P	G L E Y C Y N P S H N P
Bek	I D C G A R A Q I K D F I R G K K	A M D L S F D I N R V S
FGFR-3	L * F T M * W M N	P * F T P Q T C K P T
FGFR-4	M W G V V K	I V W I M V * L T S Q I L M T

Flg	E Q L
Bek	G P M
FGFR-3	D N I
FGFR-4	A V
	*

c-Met	L P Y M K H G D L R N F I R N E T H N P
c-Sea	I F I R A E I L H W L K A Q E R S
Ron	M W L C * M K Q Y M S P Q K Q
	V V S V I V Q D S T
	M T N D
	V G * N
	*

EGFR	T Q L M P F G C L L D Y V R E H K D N I
ErbB2	S N Y L Y A S I I E H I H Q N R G R L
ErbB3	I I L T M M * F L K D Q E A M
ErbB4	M V H V V W M N A Q V
	V W I * K
	F I G
	W M V

Ret	V E Y A K Y G S L R G F L R E S R K V G P G Y L G S G G S R N
	I D F G R F A T I K A W I K D T K R I A A F I A T A A T K Q
	L * W W M Y M * L W M
	M V V M V

Ret	S S L D H P D E R A L
	T T I E E D K G I
	M * * * M
	V V

Figure 2E

Syk
Zap70

```

M E M A E L G P L N K Y L Q Q N R H V I
I D I G G G A I H R F I V G K K E E L
L * L D I M Q W M N N Q D I M
V V A M V V I A R * L V
      * V L M
      A M D
      *
  
```

Jak1
Jak2
Jak3
Tyk2

```

M E F L P S G S L K E Y L P K N K N K I
I D Y I Y A C I R D F I Q R H R E R L
L * W M T T M * W M N Q S A M
V V F V V T Q V
      W D
      L G
      I I
      *
  
```

Jak1

```

L E Y A P L G T V Y R E L Q K L S K F
I D F G I A S I F K D I N R I T R W
M * W M L W * M M Y
V V M V V
  
```

Chk1

```

L E Y C S G G E L F D R I E P D I G M
I D F S T A A D I W E K L D E L A I
M * W * M Y * M * * M L
V V V V V
  
```

IKK-1
IKK-2

```

M E Y C S G G D L R K L L N K P E N C C G L
I D F S Q A A E I K R Y I Q Q F D Q S S A I
L * W T * M I M R W * M
V N V M V N Y V
      V F
      W
  
```

DAPK

```

L E L V A G G E L F D F L A E K E S L
I D I I G A A D I W E W I G D R D T I
M * M L * M Y * Y M * * M
V V M V V V
  
```

IRK

```

M E L M A H G D L K S Y L R S L R P E A E N N P G R P P P T L
I D I I G A E I R T F I K T I K D G D Q Q A K S I
L * M L * M W M M * * M
V V V V V V V
  
```

TGFβRII
ACTRIIA
ACTRIIB

```

T A F H A K G N L Q E Y L T R H V I
S G W E R A S I S D F I K A N I V
      Y D Q M T * W M S G Q L L
      G T V V R K M M
      *
  
```

[illegible]

Trk-NGFR	F	E	Y	M	R	H	G	D	L	N	R	F	L	R	S	H	G	P	D	A	K	L	L	A	G	G	E	D	V	A	P	
TrkB	W	D	F	I	K		A	E	I	Q	K	W	I	K	A		A		E	G	V	I	M	V	E	A	N	P	T	E		
TrkC	Y	*	W	L				*	M			Y	M		T			*			M	M	I	I	D		Q	E	R	Q	A	
				V					V				V		G							R	V	V	L	A		D	*	I	S	D
																					I			M	*		*			L	N	G
																					L			G						M	G	*
																												K				

Trk-NGFR P L L
TrkB G E I
TrkC A I M
M V
V
D
*

[illegible]

ILK	T	H	W	M	P	Y	G	S	L	Y	N	V	L	H	E	G	T	N	F	V	V
	S		F	I		F	A	T	I	F	Q	I	I		D	A	S	Q	W	I	I
			Y	L		W			M	W		L	M		*				Y	L	L
			M						V			M	V							M	M

Figure 3A

Peptide <u>Akt1/Rac</u>	N-terminal	C-terminal
95 K014D001	Myristyl - G M E Y A N G G E L F F H L S R E R V F	- NH2
<u>ALK1</u>		
96 K048D101	Myristyl - G T H Y H E H G S L Y D F L Q R Q T L	- NH2
<u>Braf</u>		
97 K003D001	Acetyl - K K K K K K G G S S L Y H H L H I I E T K F	- NH2
98 K003D101	Myristyl - G T Q W S E G S S L Y H H L H I I E T K F	- NH2
<u>c-Abl</u>		
99 K061D101	Myristyl - G T E F M T Y G N L L D Y L R E C N R Q E V	- NH2
<u>c-Met</u>		
100 K073D101	Myristyl - G L P Y M K H G D L R N F I R N E T H N P	- NH2
<u>c-Raf</u>		
101 K001D101	Myristyl - G T Q W S E G S S L Y K H L H V Q E T K F	- NH2
102 K001D001	Acetyl - S S L Y K H L H V Q E T K F	- NH2
<u>c-Sea</u>		
103 K074D101	Myristyl - G L P Y M R H G D L R H F I R A Q E R S P	- NH2
<u>c-Src</u>		
104 K051D101	Myristyl - G T E Y M S K G S L L D F L K G E T G K Y L	- NH2
105 K051D001	Acetyl - G S L L D L K G E T G K F L	- NH2
<u>CDK2</u>		
106 K049D101	Myristyl - G F E F L H Q D L K K F M D A S A L T G I	- NH2
107 K049D001	Acetyl - D L K K F M D A S A L T G M	- NH2
<u>CDK4</u>		
108 K050D001	Acetyl - D L R T Y L D K A P P P G L	- NH2
109 K050D101	Myristyl - G F E H V D Q D L R T Y L D K A P P P G L	- NH2
<u>CDK6</u>		
110 K089D101	Myristyl - G F E H V D Q D L T T Y L D K V P E P G V	- NH2
<u>Chk1</u>		
111 K088D102	Myristyl - G E Y S S G G E L F D R I E P D I G M	- NH2
112 K088D101	Myristyl - G E Y A S G G E L F D R I E P D I G M	- NH2
<u>CK IIa</u>		
113 K022D001	Acetyl - K K K K K G G N N T D F K Q L Y Q T L	- NH2
114 K022D101	Myristyl - G F E H V N N T D F K Q L Y Q T L	- NH2

Figure 3B

Csk

115 K058D101 Myristyl - G T E Y M A K G S L V D Y L R S R G R S V L - NH2
116 K058D001 Acetyl - G S L V D L R S R G R S V L - NH2

Fak

117 K060D101 Myristyl - G M E L S T L G E L R S F L Q V R K Y S L - NH2

FGFR-3

118 K071D101 Myristyl - G G N L R E F L R A R R P P G L E - NH2
119 K071D001 Acetyl - G N L R E F L R A R R P P G L E - NH2
120 K071D102 Myristyl - G V E Y A A K G N L R E F L R A R R P P G L E - NH2
121 K071D901 Stearyl - G S F D T S K P P E E Q L - NH2

Flk1

122 K068D101 Myristyl - G V E F S K F G N L S N F L R A K R N L F V P - NH2
123 K068D101 Myristyl - G G N L S N F L R A K R N L F V P - NH2
124 K068D001 Acetyl - G N L S N F L R A K R N L F V P - NH2
125 K068D901 Stearyl - G R F R Q G K D Y V G E L - NH2

GSK3b

126 K018D003 Acetyl - K K K K K K G G G V A R H Y S R A K Q T L P - NH2
127 K018D002 Acetyl - V A R H Y S R A K Q T L P - NH2
128 K018D101 Myristyl - G D Y V P E T V Y R V A R H Y S R A K Q T L - NH2
129 K018D001 Acetyl - R V A R H Y S R A K Q T - NH2

Hck

130 K056D101 Myristyl - G T E F M A K G S L L D F L K S D E G S K Q - NH2

Iak1

131 K087D101 Myristyl - G L E Y A P L G T V Y R E L Q K L S K F - NH2

IKK-1

132 K090D101 Myristyl - G M E Y S S G G D L R K L L N K P E N S S G L - NH2

IKK-2

133 K091D101 Myristyl - G M E Y S Q G G D L R K Y L N Q F E N S S G L - NH2

ILK

134 K107D101 Myristyl - G T H W M P Y G S L Y N V L H E G T N F V V - NH2
135 K107D901 Stearyl - G Y N V L H E G T N F V V - NH2

115 K058D101
116 K058D001
117 K060D101
118 K071D101
119 K071D001
120 K071D102
121 K071D901
122 K068D101
123 K068D101
124 K068D001
125 K068D901
126 K018D003
127 K018D002
128 K018D101
129 K018D001
130 K056D101
131 K087D101
132 K090D101
133 K091D101
134 K107D101
135 K107D901

Figure 3C

IRK

136 K094D101	Myristyl - G M E L M A H G D L K S Y L R S L R P	- NH2
137 K094D001	Acetyl - A Q N N P G R P P P T L	- NH2
138 K094D102	Myristyl - G L K S Y L R S L R P E A	- NH2
139 K094D103	Myristyl - G A E N N P G R P P P T L	- NH2
140 K094D104	Myristyl - G L R P E A E N N P G R P P P T L	- NH2

Jak1

141 K084D101	Myristyl - G M E F L P S G S L K E Y L P K N K N K I	- NH2
142 K084D102	Myristyl - G L K E Y L P K N K N K I	- NH2

Jak2

143 K085D102	Myristyl - G L R D Y L Q K H K E R I	- NH2
144 K085D105	Stearyl - G L R D Y L Q K H K E	- NH2

Jak3

145 K086D101	Myristyl - G M E Y L P S G S L R D F L Q R H R A L	- NH2
146 K086D102	Myristyl - G M E Y L P S G S L R D F L Q R H R A R L	- NH2
147 K086D103	Myristyl - G L R D F L Q R H R A R L	- NH2

Lck

148 K057D001	Acetyl - G S L V D! L K T P S G I K L	- NH2
149 K057D101	Myristyl - G T E Y M E N G S L V D F L K T P S G I K L	- NH2

Lyn

150 K055D101	Myristyl - G T E Y M A K G S L L D F L K S D E G G K V	- NH2
--------------	--	-------

MARK1

151 K045D101	Myristyl - G M E Y A S G G E V F D Y L V A H G R M	- NH2
--------------	--	-------

PDGFR-b

152 K064D001	Acetyl - G D! L V D! Y L H R N K H T F L	- NH2
153 K064D101	Myristyl - G T E Y S R Y G D L V D Y L H R N K H T F L	- NH2

PKCb

154 K008D101	Myristyl - G M E Y V N G G D L M Y H I Q Q V G R F	- NH2
155 K008D001	Acetyl - K K K K K K G G D L M Y H I Q Q V G R F	- NH2

Plk

156 K035D001	Acetyl - R S L L E! L H K R R K A	- NH2
157 K035D101	Myristyl - G R S L L E! L H K R R K A	- NH2

Figure 3D

158 K035D102 Myristyl - G L E L S R R R S L L E L H K R R K A L - NH2
Ret

159 K080D101 Myristyl - G V E Y A K Y G S L R G F L R E S R K V G P - NH2
160 K080D001 Acetyl - G S L R G F L R E S R K V G P - NH2
Ron

161 K075D101 Myristyl - G L P Y M C H G D L L Q F I R S P Q R N P - NH2
SNK

162 K038D101 Myristyl - G L E Y S S R R S M A H I L K A R K V L - NH2
Syk

163 K082D101 Myristyl - G M E M A E L G P L N K Y L Q Q N R H V - NH2
TGFbRII

164 K093D101 Myristyl - G T A F H A K G N L Q E Y L T R H V I - NH2
TrkB

165 K102D101 Myristyl - G F E Y M K H G D L N K F L R A H G P D A V L M A - NH2
166 K102D106 Myristyl - G L R A H G P D A V L M A - NH2
167 K102D107 Myristyl - G L R A H G P D A V L - NH2
168 K102D108 Myristyl - G L N F K L R A H G P D A - NH2
169 K102D109 Myristyl - G F K L R A H G P D A V L - NH2
Zap70

170 K083D101 Myristyl - G M E M A G G G P L H K F L V G K R E E I - NH2

% change in daily food
consumption (g/mouse/d)

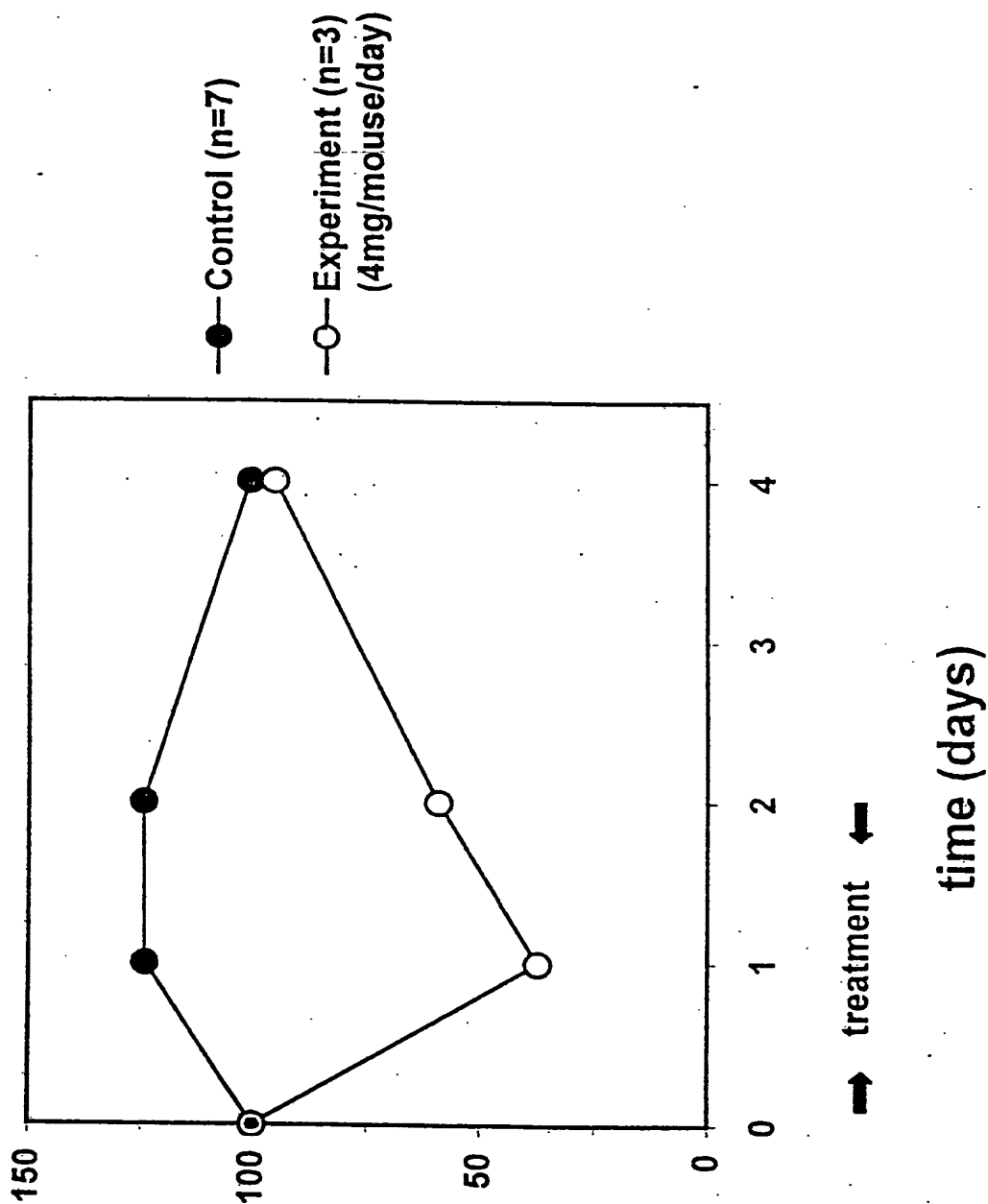


Figure 4

% change in body weight

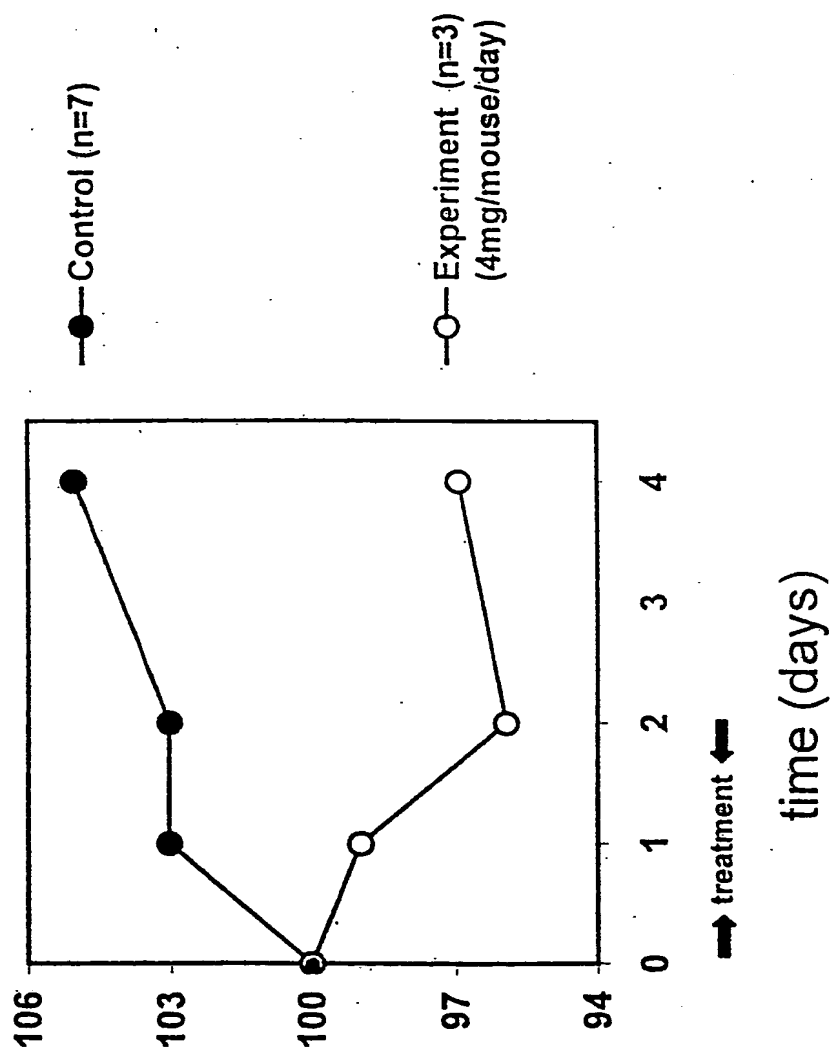


Figure 5

MODULATION OF TH1/TH2 DIFFERENTIATION BY A JAK-DERIVED PEPTIDE

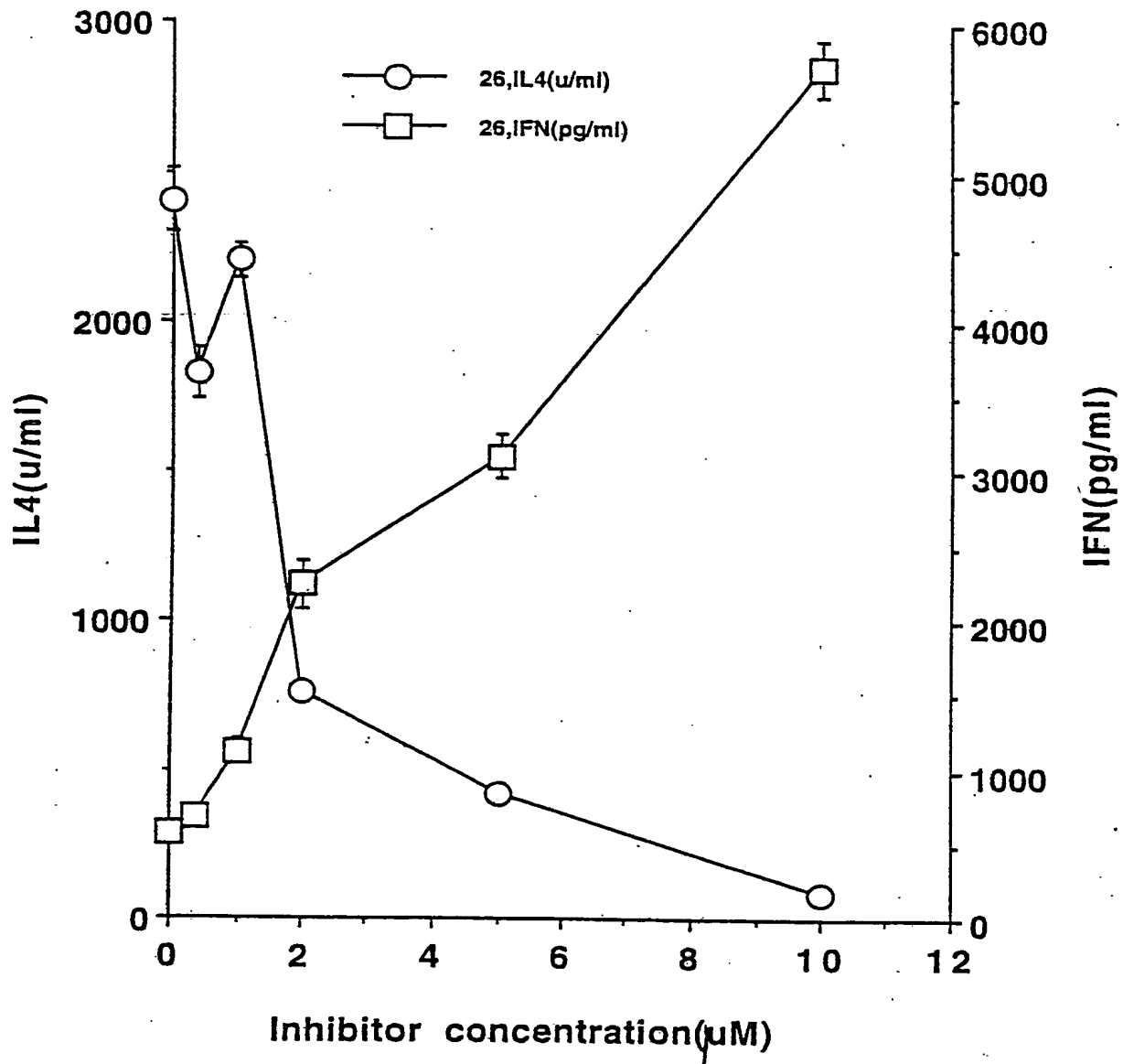


Figure 6

203010-213600

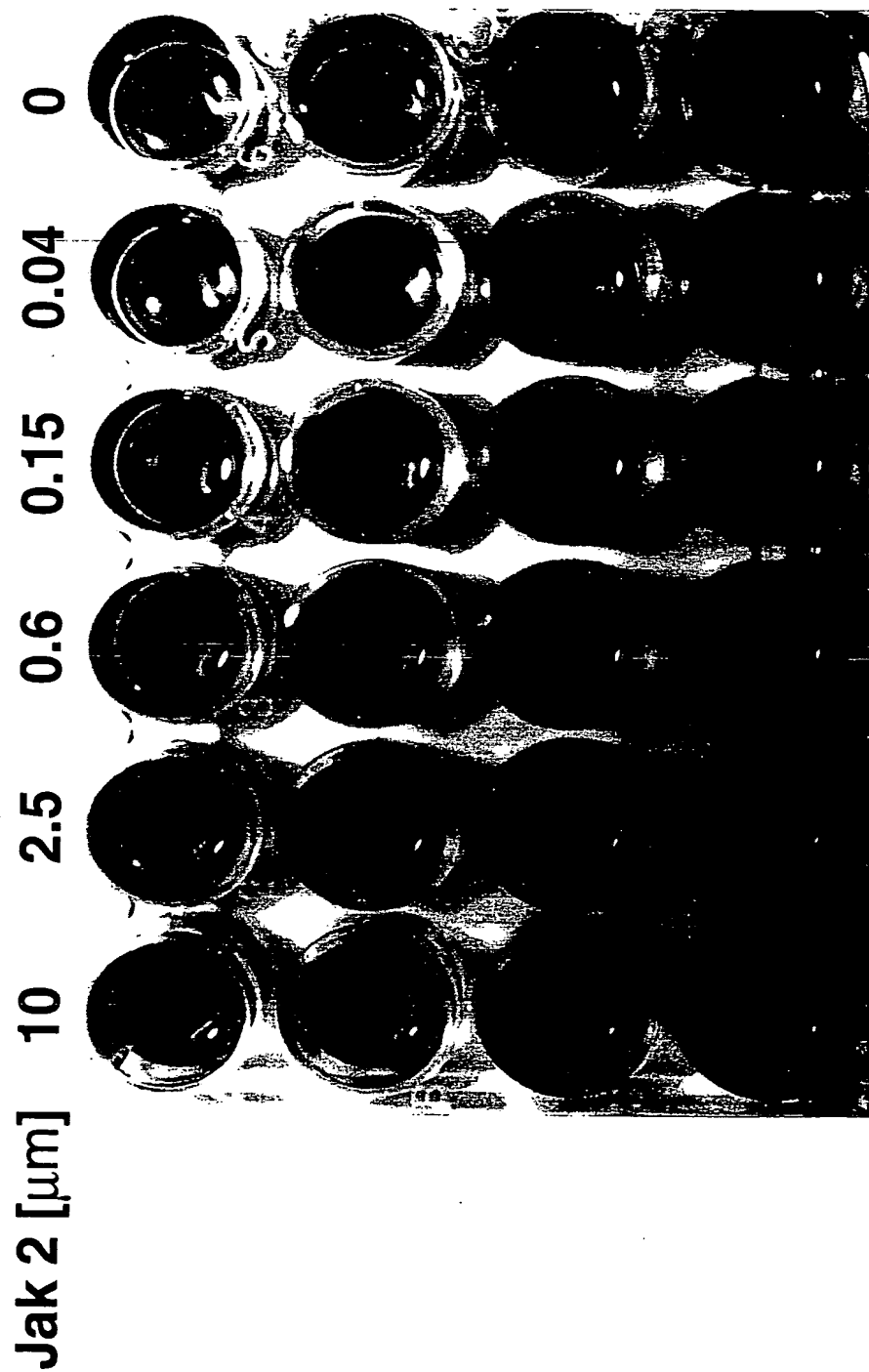


Fig. 7